

Outline for Comparative Analysis and Experiment Reflection

- *Intro/explanation of solar thermal water heaters*
 - Purpose/importance of solar water heaters
 - History of use of solar heaters
 - How they work (in general)

- *Overview of process*
 - Explain design
 - Give overview of quantitative data and significance
 - Include qualitative data (environment factors, weather inconsistency, etc)

- *Comparative analysis:*
 - Pick another group to compare with.
 - Compare/contrast your data and design
 - Avg. rate change
 - Mean temp
 - High Temp
 - Heat retention
 - Strategies used in design
 - Who was most successful in each objective?
 - Analyze reasons for differences in data.

- *Personal reflection:*
 - Did your design work like you planned? Match hypothesis?
 - What worked well in your design?
 - What could you adjust to improve:
 - Rate of heating
 - Top temperature
 - Retaining heat
 - Overall success of your design/experiment